

PTO/SB/08B (08-03)

Substitute for form 1448B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/696,671
		Filing Date	October 28, 2003
		First Named Inventor	Ivarie, Robert D.
		Art Unit	1633
		Examiner Name	Kaushal, Sumesh
Sheet 1	of 5	Attorney Docket Number	021396-000203US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
SE	A1	US-4,959,317		09-25-1990	Sauer	
	A2	US-4,997,763		03-05-1991	Hughes et al.	
	A3	US-5,162,215		11-10-1992	Bossetman et al.	
	A4	US-5,304,489		04-19-1994	Rosen	
	A5	US-5,364,783		11-15-1994	Ruley et al.	
	A6	US-5,378,618		01-03-1995	Sternberg et al.	
	A7	US-5,464,764		11-07-1995	Capecchi et al.	
	A8	US-5,487,992		01-30-1996	Capecchi et al.	
	A9	US-5,677,177		10-14-1997	Wahl et al.	
	A10	US-5,741,957		04-21-1998	Deboer et al.	
	SE	A11	US-5,784,992		07-28-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
SE	A12	PCT	WO 90/11355		10-04-1990			<input type="checkbox"/>
	A13	EPO	0 424 027	A1	04-24-1991			<input type="checkbox"/>
	A14	EPO	0 424 044	A1	04-24-1991			<input type="checkbox"/>
	A15	PCT	WO 94/20608		09-15-1994			<input type="checkbox"/>
	A16	PCT	WO 95/11302		04-27-1995			
	A17	PCT	WO 97/47739		12-18-1997			<input type="checkbox"/>
	A18	PCT	WO 98/01027		01-15-1998			<input type="checkbox"/>
SE								<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS			
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SE	A19	ALLIOLI et al., "Use of retroviral vectors to introduce and express the β -galactosidase marker gene in cultured chicken primordial germ cells," <i>Developmental Biology</i> , 165:30-37 (1994).	
	A20	ARCHER et al., "Human growth hormone (hgh) secretion in milk of goats after direct transfer of the hgh gene into the mammary gland by using replication-defective retrovirus vectors," <i>Proc. Natl. Acad. Sci. USA</i> , 91:6840-6844 (1994).	
SE	A21	BAYLEY et al., "Exchange of Gene Activity in Transgenic plants catalyzed by the Cre-lox site-specific recombination system," <i>Plant Molecular Biology</i> , 18:353-361 (1992).	


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		<i>Examiner Name</i>	Kaushal, Sumesh
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SE	A22	BEATO, M. "Gene regulation by steroid hormones," <i>Cell</i> , 56:335-344 (1989).	
	A23	BONIFER et al., "Tissue specific and position independent expression of the complete gene domain for chicken lysozyme in transgenic mice," <i>The EMBO Journal</i> , 9:2843-2848 (1990).	
	A24	BOSSELMAN et al., "Germline transmission of exogenous genes in the chicken," <i>Science</i> , 243:533-535 (1989).	
	A25	BRAZOLOT et al., "Efficient transfection of chicken cells by lipofection, and introduction of transfected blastodermal cells into the embryo," <i>Molecular Reproduction and Development</i> , 30:304-312 (1991).	
	A26	BRISKIN et al., "Heritable retroviral transgenes are highly expressed in chickens," <i>Proc. Natl. Acad. Sci. USA</i> , 88:1736-1740 (1991).	
	A27	BROWN et al., "Conformational alterations in the proximal portion of the yeast invertase signal peptide do not block secretion," <i>Mol. Gen. Genet.</i> , 197:351-357 (1984).	
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	A29	CHUNG et al., "A 5' element of the chicken β -globin domain serves as an insulator in human erythroid cells and protects against position effect in drosophila," <i>Cell</i> , 74:505-514 (1993).	
	A30	COSSET et al., "Improvement of avian leucosis virus (ALV)-based retrovirus vectors by using different cisacting sequences from ALVs," <i>Journal of Virology</i> , 65:3388-3394 (1991).	
	A31	COSSET et al., "Use of helper cells with two host ranges to generate high-titer retroviral vectors," <i>Virology</i> 193:385-395 (1993).	
	A32	DEAN et al., "Regulation of the chicken ovalbumin gene by estrogen and corticosterone requires a novel DNA element that binds a labile protein, chirp-1," <i>Molecular and Cellular Biology</i> , 16:2015-2024 (1996).	
	A33	DEELEY, et al., "Synthesis and deposition of egg proteins," eds Robert J. Etches, Ph.D., SC. and Ann M. Verrinder Gibbins, Ph.D., <i>Manipulation of the Avian Genome</i> , Boca Raton, CRC Press, 1993, pg. 205.	
	A34	DIERICH et al., "Cell-specificity of the chicken ovalbumin and conalbumin promoters," <i>The EMBO Journal</i> , 6:2305-2312 (1987).	
	A35	DUGAICZYK et al., "The ovalbumin gene: cloning and molecular organization of the entire natural gene," <i>Proc. Natl. Acad. Sci. USA</i> , 76:2253-2257 (1979).	
	A36	ETCHES et al., "Contributions to somatic and germline lineages of chicken blastodermal cells maintained in culture," <i>Molecular Reproduction and Development</i> , 45:291-298 (1996).	
SE	A37	FIERING, S., et al., "An "in-out" strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> , September 15, 1993, Vol. 90, No. 18, pp. 8469-8473.	

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SC	A38	FISHER et al., "Expression of exogenous protein and analysis of morphogenesis in the developing chicken heart using an adenoviral vector," <i>Cardiovascular Research</i> , 31:E86-E95 (1996).	
	A39	GANNON et al., "Organization and sequences at the 5' end of a cloned complete ovalbumin gene," <i>Nature</i> , 276:428-434 (1979).	
	A40	GU et al., "Deletion of a DNA polymerase β gene segment in T cells using cell type-specific gene targeting," <i>Science</i> , 265:103-106 (1994).	
	A41	HAecker et al., "Repression of the ovalbumin gene involves multiple negative elements including an ubiquitous transcriptional silencer," <i>Molecular Endocrinology</i> , 9:1113-1126 (1995).	
	A42	JOHNSON et al., "pXex, a vector for efficient expression of cloned sequences in <i>Zenopus</i> embryos," <i>Gene</i> , 147:223-226 (1994).	
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	A44	KAYE et al., "A close association between sites of Dnase I hypersensitivity and sites of enhanced cleavage by micrococcal nuclease in the 5'-flanking region of the actively transcribed ovalbumin gene," <i>The EMBO Journal</i> , 3:1127-1144 (1984).	
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	A46	LAI et al., "The ovalbumin gene: structural sequences in native chicken DNA are not contiguous," <i>Proc. Natl. Acad. Sci. USA</i> , 75:2205-2209 (1978).	
	A47	LIN et al., "Integration and germ-line transmission of a pseudotyped retroviral vector in zebrafish," <i>Science</i> , 265:666-669 (1994).	
	A48	LOBE et al., "Conditional genome alteration in mice," <i>BioEssays</i> , 20:200-208 (1998).	
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	A50	LOU et al., "Adenovirus-mediated gene transfer into tendon and tendon sheath," <i>Journal of Orthopaedic Research</i> , 14:513-517 (1996).	
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	A52	MOORE et al., "The development of β -lactamase as a highly versatile genetic reporter for eukaryotic cells," <i>Analytical Biochemistry</i> , 247:203-209 (1997).	
SC	A53	MORELLE, C., et al., "Recombinaison Homologue et Ciblage Genique BioFurur," No. 134, May 1, 1994, pp. 1, 3-12.	

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S	A54	MOUNTFORD et al., "Dicistronic targeting constructs: reporters and modifiers of mammalian gene expression," <i>Proc. Natl. Acad. Sci. USA</i> , 91:4303-4307 (1994).	
	A55	MURAMATSU, T., et al., "Gene gun-mediated in vivo analysis of tissue-specific repression of gene transcription driven by the chicken ovalbumin promoter in the liver and oviduct of laying hens," <i>Molecular and Cellular Biochemistry</i> , August 1998, Vol. 185, No. 1-2, pp. 27-32.	
	A56	MYLLA, et al., <i>Biochem J.</i> , 1981, Vol. 196, pp. 683-692.	
	A57	NORDSTROM et al., "A complex array of double-stranded and single-stranded DNA-binding proteins mediates induction of the ovalbumin gene by steroid hormones," <i>The Journal of Biological Chemistry</i> , 268:13193-13202 (1993).	
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	A63	PARK et al., "Modulation of transcriptional activity of the chicken ovalbumin gene promoter in primary cultures of chicken oviduct cells: effects of putative regulatory elements in the 5'-flanking region," <i>Biochemistry and Molecular Biology International</i> , 36:811-816 (1995).	
	A64	ROOP et al., "Definition of the 5' and 3' ends of transcripts of the ovalbumin gene," <i>Cell</i> , 19:63-68 (1980).	
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	A66	RUCKER et al., "Cre-mediated recombination at the murine whey acidic protein (mWAP) locus," <i>Molecular Reproduction and Development</i> , 48:324-331 (1997).	
	A67	SANDERS et al., "Positive and negative regulatory elements control the steroid-responsive ovalbumin promoter," <i>Biochemistry</i> , 27:6550-6557 (1988).	
	A68	SANG, <i>TIBTECH</i> , 1994, Vol. 12, pp. 415-420.	
SL	A69	SAUER, B., "Manipulation of transgenes by site-specific recombination: use of cre recombinase," <i>Methods in Enzymology</i> , 225:890-900 (1993).	


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SE	A70	SCHWEERS et al., "A protein with a binding specificity similar to NF- κ B binds to a steroid-dependent regulatory element in the ovalbumin gene," <i>The Journal of Biological Chemistry</i> , 266:10490-10497 (1991).	
	A71	SIMKISS, "Transgenic birds, animals with novel genes," McLean ed., Cambridge Univ. Press NY, 1994, pp. 106-135.	
	A72	THORAVAL et al., "Germline transmission of exogenous genes in chickens using helper-free ecotropic avian leucosis virus-based vectors," <i>Transgenic Research</i> , 4:369-376 (1995).	
	A73	UYEDA et al., "Cloning and sequencing of hen magnum cDNAs encoding viteline membrane outer layer protein I (VMO-1)," <i>Gene</i> , 144:311-312 (1994).	
	A74	VICK et al., "Transgenic birds from transformed primordial germ cells," <i>Proc. R. Soc. Lond. B.</i> , 179-183 (1993).	
	A75	YEE et al., "Generation of high-titer pseudotyped retroviral vectors with very broad host range," <i>Methods in Cell Biology</i> , 43:99-112 (1994).	
	A76	ZHANG et al., "Inducible site-directed recombination in mouse embryonic stem cells," <i>Nucleic Acids Research</i> , 24:543-548 (1996).	
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